

EP 863145

DIALOG(R) File 351:Derwent WPI  
(c) 2005 Thomson Derwent. All rts. reserv.

012041883 \*\*Image available\*\*

WPI Acc No: 1998-458793/\*199840\*

XRAM Acc No: C98-138697

XRPX Acc No: N98-358266

Silylated tris-dihydroxyphenyl-s-triazine ultraviolet absorber - prepared  
by introducing alkyl and alkoxy silyl and organo-siloxane ether into  
phenyl ring, in light-protection cosmetic for skin or hair  
Patent Assignee: HOFFMANN LA ROCHE & CO AG F (HOFF ); ROCHE VITAMINS INC  
(HOFF )

Inventor: HUBER U; HUBER U A

Number of Countries: 034 Number of Patents: 017

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 863145	A2	19980909	EP 98103244	A	19980225	199840 B
NO 9800841	A	19980904	NO 98841	A	19980227	199845
AU 9855419	A	19980903	AU 9855419	A	19980220	199847
JP 10251273	A	19980922	JP 9844921	A	19980226	199848
CA 2230397	A	19980903	CA 2230397	A	19980224	199904
US 5976512	A	19991102	US 9834616	A	19980217	199953
KR 98079789	A	19981125	KR 986681	A	19980228	200004
MX 9801488	A1	19981101	MX 981488	A	19980224	200022
BR 9800799	A	20000314	BR 98799	A	19980302	200027
CN 1192441	A	19980909	CN 98103892	A	19980219	200040
AU 735412	B	20010705	AU 9855419	A	19980220	200143
NO 315046	B1	20030630	NO 98841	A	19980227	200344
TW 513417	A	20021211	TW 98103078	A	19980303	200353
EP 863145	B1	20031001	EP 98103244	A	19980225	200365
DE 59809758	G	20031106	DE 98509758	A	19980225	200374
			EP 98103244	A	19980225	
ES 2206771	T3	20040516	EP 98103244	A	19980225	200434
CN 1091771	C	20021002	CN 98103892	A	19980219	200525

Priority Applications (No Type Date): EP 97103434 A 19970303

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 863145	A2	G	21	C07F-007/08	
-----------	----	---	----	-------------	--

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI  
LT LU LV MC MK NL PT RO SE SI

NO 9800841	A			C07D-251/24	
------------	---	--	--	-------------	--

AU 9855419	A			C07F-007/10	
------------	---	--	--	-------------	--

JP 10251273	A	16		C07F-007/10	
-------------	---	----	--	-------------	--

CA 2230397	A			C07F-007/10	
------------	---	--	--	-------------	--

US 5976512	A			A61K-007/42	
------------	---	--	--	-------------	--

KR 98079789	A			C07D-251/24	
-------------	---	--	--	-------------	--

MX 9801488	A1			A61K-007/42	
------------	----	--	--	-------------	--

BR 9800799	A			C07F-007/08	
------------	---	--	--	-------------	--

CN 1192441	A			C07F-007/18	
------------	---	--	--	-------------	--

AU 735412	B			C07F-007/10	Previous Publ. patent AU 9855419
-----------	---	--	--	-------------	----------------------------------

NO 315046	B1			C07D-251/24	Previous Publ. patent NO 9800841
-----------	----	--	--	-------------	----------------------------------

TW 513417	A			A61K-007/42	
-----------	---	--	--	-------------	--

EP 863145	B1	G		C07F-007/08	
-----------	----	---	--	-------------	--

Designated States (Regional): BE CH DE DK ES FR GB IE IT LI NL SE

DE 59809758	G	C07F-007/08	Based on patent EP 863145
ES 2206771	T3	C07F-007/08	Based on patent EP 863145
CN 1091771	C	C07F-007/18	

Abstract (Basic): EP 863145 A

Alkyl-silyl, alkoxy-silyl and organosiloxane ethers of 2,4,6-tris-(2',4'-dihydroxy-phenyl)-1,3,5-triazines of formula (I) are new;

formula

X = S-Z- and one X may be hydrogen or S;

Z = saturated or mono- or poly-unsaturated 3-12 C alkyl spacer group; and

S = 1-18 silicon tri-(3-15 C alkyl)-silyl or tri-(3-15 C alkoxy)-silyl oligo-siloxane group.

USE - Used as light-protection agents and n light-protection compositions, optionally in conjunction with other ultra-violet (UV) filter(s) (all claimed). Useful in sun protection cosmetics, eg. emulsions, for the skin or hair.

ADVANTAGE - Symmetrical

2,4,6-tris-(2',4'-dihydroxy-phenyl)-1,3,5-triazines are very efficient for protecting textiles against UV-A and UV-B light but have poor solubility in almost all solvents, making them unsuitable for use eg. for cosmetic applications. 2-Hydroxyphenyl-s-triazines with groups containing Si have been used as light stabilisers for organic polymers, especially against UV-B light. (I) provide good protection from light, are readily soluble in organic solvents, especially those used in cosmetics, and have good photostability.

Dwg.0/0

Title Terms: SILYLATED; TRI; DI; HYDROXYPHENYL; TRIAZINE; ULTRAVIOLET; ABSORB; PREPARATION; INTRODUCING; ALKYL; ALKOXY; SILYL; ORGANO; SILOXANE; ETHER; PHENYL; RING; LIGHT; PROTECT; COSMETIC; SKIN; HAIR

Derwent Class: A26; A96; D21; E11; P42

International Patent Class (Main): A61K-007/42; C07D-251/24; C07F-007/08; C07F-007/10; C07F-007/18

International Patent Class (Additional): A61K-007/00; A61K-007/40; A61K-031/53; C09K-003/00

File Segment: CPI; EngPI